pp4

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/487,187	01/19/2000	Geroge R. Blakley III	AUS000066US1	2877

7590   06/05/2003

LAW OFFICE OF JOSEPH R. BURWELL
P. O. BOX 28022
AUSTIN, TX 78755-8022

EXAMINER
BURGESS, BARBARA N

ART UNIT	PAPER NUMBER
2157	8

DATE MAILED: 06/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Office Action Summary	Application No. 09/487,187	Applicant(s) BLAKLEY III ET AL.	
	Examiner Barbara N Burgess	Art Unit 2157	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *21 March 2003* .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-21* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-21* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

This office action is in response to amendments filed March 21, 2003. Claims 1-21 are

presented for further examination.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claim 1 is rejected under U.S.C. 102(b) as being anticipated by Hu.

As per claim 1, Hu discloses a method of enabling a client terminal user to access

target resources managed by a set of resource managers within an enterprise

computing environment, comprising:

- Authenticating the user to establish a user primary identity (column 1, lines 52-55,

    column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- Mapping the user primary identity to a set of user secondary identities (column 2,

    lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67,

    column 6, lines 1-11, 17-30);

- Authenticating the user to the resource managers using the set of user secondary

    identities (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines

    30-35, 60-67, column 6, lines 1-11, 17-30);

- Following authentication using the set of user secondary identities, forwarding

  resource requests to the resource managers (column 3, lines 63-65, column 4, lines

  53-55, column 6, lines 31-35);

- Returning replies received from the resource managers back to the user (column 4

  lines 14-17, 55-58, column 6, lines 35-39).

As per claim 2, Hu discloses:

- The user primary identity is mapped to the set of user secondary identities by a sign-

  on service (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5,

  lines 30-35, 60-67, column 6, lines 1-11, 17-30).

As per claim 3, Hu discloses:

- Authenticating the step of authenticating a trusted server to the sign-on service prior

  to mapping the user primary identity to the set of user secondary identities (column

  1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28).

As per claim 4, Hu discloses:

- The trusted server is authenticated to the sign-on service before the step of

  authenticating the user to establish the user primary identity (column 1, lines 52-55,

  column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28).

As per claim 5, Hu discloses:

- Trusted server is authenticated to the sign-on service after the step of authenticating

  the user to establish the user primary identity (column 1, lines 52-55, column 2, lines

  3-5, 30-35, 42-45, column 4, lines 23-28)

As per claim 6, Hu discloses:

- The user is authenticated to establish the user primary identity using an

  authentication service associated with the trusted server (column 1, lines 52-55,

  column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28)

As per claim 8, Hu discloses:

- The client terminal user accesses the enterprise computing environment over the
  Internet (column 7, lines 40-45).

As per claim 9, Hu discloses:

- The user is authenticated to a given resource manager using an authentication
  service associated with the given resource manager (column 2, lines 1-17, 20-25,
  42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-
  30).

As per claim 10, Hu discloses a method for enabling a client terminal user to access
target resources managed by a set of resource managers operative within an enterprise
computing environment, wherein the environment has an associated sign-on service,
comprising:

- Responsive to a request received from a user of the client terminal, authenticating
  the user to establish a user primary identity (column 1, lines 52-55, column 2, lines
  3-5, 30-35, 42-45, column 4, lines 23-28);
- Using the user primary identity, accessing the sign-on service to retrieve a set of
  stored user authentication information, wherein the stored user authentication
  information comprises a set of user secondary identities (column 2, lines 1-17, 20-
  25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11,
  17-30);

- Performing a sign-on to the set of resource managers using the retrieved set of user secondary identities (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- Forwarding the request to a given resource manager (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35);

- Forwarding a reply received from the given resource manager back to the user (column 4 lines 14-17, 55-58, column 6, lines 35-39).

As per claim 11, Hu discloses a method for enabling a client terminal user to access target resources managed by a set of resource managers operative within an enterprise computing environment, wherein the environment has an associated sign-on service, comprising:

- Having the client terminal user perform primary logon to an intermediary server to establish a user primary identity (column 1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- Having the intermediary server pass the user's primary identity to the sign-on service and in response, obtaining a set of user secondary identities that may be used in enabling the intermediary server to represent the client terminal user to the resource managers (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- Having the intermediary server perform a secondary logon to a first resource manager using a first user secondary identity (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- Having the intermediary server perform a secondary logon to a second resource manager using a second user secondary identity (column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- Having the intermediary server perform resource requests at the first and second resource managers under the respective secondary identities (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35);

- Forwarding responses back to the client terminal user (column 4 lines 14-17, 55-58, column 6, lines 35-39).

As per claim 12, Hu discloses in an enterprise computing environment having a set of resource managers and a sign-on service, the enterprise computing environment comprising:

- Means for authenticating a user to establish a user primary account associated with a user primary identity (column 1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- Means for cooperating with the sign-on service to map the user primary account to a set of user secondary accounts associated with a set of user secondary identities

(column 2, lines 1-17, 20-25, 42-47, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- Means for logging onto the set of resource managers using the user secondary accounts (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35);

- Means for passing resource requests from the user to the resource managers under the user secondary accounts (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35).

As per claim 13, Hu discloses:

- The server passes replies to the resource requests back to the user (column 4 lines 14-17, 55-58, column 6, lines 35-39).

As per claims 14 and 21, Hu discloses in an enterprise computing environment having a set of resource managers and a sign-on service, comprising:

- Means for authenticating a user to establish a user primary account associated with a user primary identity (column 1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- Means for authenticating the server to the sign-on service, wherein the set of user secondary accounts is associated with a set of user secondary identities (column 1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- Means for passing resource requests and associated replies between the user and the resource managers (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35).

As per claim 15, Hu discloses:

- Means for load balancing resource requests passed to a set of instances of a given resource manager (column 3, lines 63-65, column 4, lines 53-55, column 6, lines 31-35).

As per claim 16, Hu discloses a system comprising:

- A set of resource managers (column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30);

- A sign-on service (column 1, lines 52-55, column 2, lines 3-5, 30-35, 42-45, column 4, lines 23-28);

- A server comprising means for authenticating a user to establish a user primary accounts associated with primary user identities, means for logging a given user onto the set of resource managers using the user secondary accounts for the given user retrieved from the sign on service, wherein a set of user secondary accounts for a given user is associated with a set of user secondary identities for a given user, and means for passing resource requests and associated replies between the given user and the resource managers (column 2, lines 1-17, 20-25, 42-47, column 3, lines

63-65, column 4, lines 44-55, column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-

35).

As per claim 17, Hu discloses:

- At least one resource manager comprises a set of instances (column 4, lines 44-55,

  column 5, lines 30-35, 60-67, column 6, lines 1-11, 17-30).

As per claim 19, Hu discloses:

- The server comprises a set of instances (column 4, lines 44-55, column 5, lines 30-

  35, 60-67, column 6, lines 1-11, 17-30).

As per claim 20, Hu discloses:

- A manager that manages the set of server instances (column 4, lines 44-55, column

  5, lines 30-35, 60-67, column 6, lines 1-11, 17-30).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 7, 15, and 18 are rejected under 35 U.S.C. 103(a) as being unpatenable

over Hu in view of Brendel et al. (hereinafter "Brendel", 5,774,660).

As per claims 7, 15, and 18, Hu does not explicitly disclose load balancing resource

requests across a set of instances of a given resource manager. However, in an

analogous art, Brendel discloses load balancing performed among nodes that have the

requested resource (column 22, lines 65-67).

Therefore, one of ordinary skill in the art at the time the invention was made would

have found it obvious to implement or incorporate load balancing in Hu's method in

order to avoid bottleneck and single point of failure and increase the efficiency of the

system.

Response to Arguments

The Office notes the following arguments:

(a)   Grantges does not disclose a plurality of user identities, such as a primary user

identity and a set of secondary user identities as disclosed and claimed in the present

patent application.

(b)   Grantges does not disclose the claimed mapping of a primary user identity to a

set of secondary identities.

(c)   Independent claims 10, 12, 14, 16, and 21 have been amended to distinguish it

from Grantges and are patentable.

(d)   All dependent claims are patentable because there are features in the

independent claims that are not disclosed by Grantges.

In response to:

5.   (a)-(d) Applicant's arguments have been considered but are moot in view of the

new ground(s) of rejection.

Conclusion

6.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

U.S. Patent No. 5,586,260

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Barbara N Burgess whose telephone number is (703)

305-3366. The examiner can normally be reached on M-F (8:00am-4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ario Ettinene can be reached on (703) 308-7562. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 746-7239

for regular communications and (703) 746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 305-

3900.

Barbara N Burgess
Examiner
Art Unit 2157

***
June 2, 2003

SALEH NAJJAR
PRIMARY EXAMINER